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B E A D S ● A B O V E T H E R E S T [™]

DESCRIPTION

BioMag[®] Superparamagnetic Iron Oxide is a suspension of iron oxide magnetic particles approximately 10µm in size. The suspension is supplied in distilled water. After shaking vigorously or vortexing, BioMag[®] Superparamagnetic Iron Oxide is ready to use.

CHARACTERISTICS

Mean Diameter: ~10µm
 Particle Concentration: 50 mg/mL
 Magnetization: 25-35 EMU/gram (EMU=electromagnetic units) measured at a field of 1000 gauss.
 Type of Magnetization: Superparamagnetic, i.e., no magnetic memory.

PROCEDURE

Researchers are advised to optimize the use of BioMag[®] in any application as procedures designed by other manufacturers may not be ideal.

BioMag[®] Superparamagnetic Iron Oxide may be used in applications in which an iron oxide particle is required. Since this particle is only iron and oxygen in a crystalline lattice and has not been functionalized, researchers are referred to the amine terminated BioMag[®] and BioMag[®] Maxi particles (Catalog Codes BM546 or BMM40) or the carboxyl terminated BioMag[®] and BioMag[®] Maxi particles (Catalog Codes BM570 or BMM30) for applications involving the attachment of various ligands to a magnetic particle.

STORAGE AND STABILITY

Store at 2-8°C. Freezing, drying, or centrifuging BioMag[®] may result in irreversible aggregation and loss of binding activity.

These products are for research use only and are not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

Cat. Code	Description	Size
BM547	BioMag [®] Superparamagnetic Iron Oxide	10mL

RELATED PRODUCTS

Cat. Code	Description	Sizes
BM546	BioMag [®] Amine	10mL or 100mL
BM570	BioMag [®] Carboxyl	10mL or 100mL
BMM40	BioMag [®] Maxi Amine	10mL
BMM30	BioMag [®] Maxi Carboxyl	10mL

Order online anytime at www.bangslabs.com.